

# Slicer4D User Feedback

This user feedback form is designed to determine whether our solution, Slicer4D, provides an effective platform for integrating dynamic slicing into the debugging workflow. Participants begin by answering a series of simple questions about their background and skill as software developers after which follows a series of questions about their experience with Slicer4D in debugging a bug.

If participants have further questions about this study or their rights, or if they wish to lodge a complaint or concern, they may contact Sahar Badihi at shrbadihi@ece.ubc.ca.

\* Indicates required question

## Experience and Demographics

1. Which of the following describes you the best? (pick all that apply) \*

Mark only one oval.

- ☐ Software developer or engineer working in industry
- ☐ Software tester working in industry
- ☐ Researcher working in industry (Research Staff Member, Research Fellow, Research Engineer)
- ☐ Researcher working in academia, non-student (Postdoctoral Fellow, Faculty Member)
- ☐ PhD student
- ☐ Master's student
- ☐ Undergraduate student (fifth year or beyond)
- ☐ Undergraduate student (fourth year)
- ☐ Undergraduate student (third year or below)

2. How many years of programming experience do you have? (in any programming language) \*

Mark only one oval.

- ☐ Less than 1 year
- ☐ At least 1 but less than 3 years
- ☐ At least 3 but less than 5 years
- ☐ At least 5 but less than 10 years
- ☐ More than 10 years

3. How many co-op terms have you completed? \*

Mark only one oval.

- ☐ 1 (less than four months)
- ☐ 1 (four month)
- ☐ 2 (less than eight months)
- ☐ 2 (eight months)
- ☐ More than 2

4. How would you rate your programming skill level? \*

Mark only one oval.

- ☐ Novice: developed a few small programs
- ☐ Intermediate: developed a few large programs
- ☐ Proficient: developed several large software systems

5. Are you familiar with and using IntelliJ IDE debugger utilities (e.g., breakpoints and stepping)? \*

Mark only one oval.

- ☐ Yes
- ☐ No

6. What is your age? \*

7. What is your gender? \*

Mark only one oval.

- ☐ Female
- ☐ Male
- ☐ Non-binary person
- ☐ Prefer not to say

## User Feedback

8. Overall, how **useful** do you find Slicer4D? \*

Mark only one oval.

12345678910

Not☐☐☐☐☐☐☐☐☐☐Very useful

9. How **easy is it to learn** how to use Slicer4D? \*

Mark only one oval.

12345678910

Not☐☐☐☐☐☐☐☐☐☐Very easy

10. How satisfied are you with the **line graying**? \*

Mark only one oval.

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Strongly Satisfied

11. How satisfied are you with the **debug actions** (step into, step over, etc.) skipping over non-slice lines? \*

Mark only one oval.

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Strongly Satisfied

12. How satisfied are you with the **breakpoints** being ignored for non-slice lines? \*

Mark only one oval.

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Strongly Satisfied

13. Which of Slicer4D's features did you **like** the most? \*

14. Which of Slicer4D's features did you **dislike** the most? \*

15. Any particular features that you want to **see added**? \*

Final Feedback

16. Any additional comments regarding the sessions or overall agenda?

17. Name (optional)

18. Email (optional)

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